

CORRES. CONTROL  
OUTGOING LTR. NO.  
DOE ORDER # 4700.1

**04-RF-00870**

DIST.	LTR	ENC
DIETER, T.J.		
FERRERA, D.W.	X	
LINDSAY, D.C.		
LONG, J.		
LYLE, J.L.		
MARTINEZ, L.A.		
PIZZUTO, V.M.		
SHELTON, D.C.		
SPEARS, M.S.		
TUOR, N.R.		

BEAN, C.		
BUTLER, J.L.		
DECK, C.		
FRANCIS, M.	X	X
FREIBOTH, C.		
GEIS, A.		
GIBBS, F.	X	
HUMISTON, T.		
HUNTER, D.		
KNAPP, S.		
LINSINBIGLER, H.		
MARSHALL, J.R.		
MYERS, K.		
NESTA, S.	X	X
O'BRIEN, J.J.		
OMAN, K.		
PLAPPERT, R.		
PRIMROSE, A.		
RICHARDELLA, R.		
ROSENMAN, A.		
SNYDER, D.P.		
SWARTZ, J.M.		
WIEMELT, K.	X	X
SELAN, J.		
SILLS, S.		

CORRES. CONTROL	X	X
ADMIN RECD/T130G	X	X
TRAFFIC		
PATS/130		

CLASSIFICATION:

UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER  
SIGNATURE:

Date:

IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:

☐ PARTIAL/OPEN

☐ CLOSED

LTR APPROVALS:

ORIG. & TYPIST INITIALS:  
SMN:pvt

RF-46469 (Rev. 9/94)



August 23, 2004

04-RF-00870

Gary Morgan, Functional Lead  
Cadre Project Management Division  
DOE, RFPO

RSOP FOR FACILITY DISPOSITION NOTIFICATION LETTER FOR BUILDING 964  
FEG-026-04

Attached is a draft transmittal letter to the Colorado Department of Public Health and Environment for the RSOP notification for Building 964 facility disposition. The draft transmittal letter has been prepared from DOE building point of contact to CDPHE building point of contact; however, it could also be addressed from DOE RFCA coordinator to CDPHE RFCA coordinator.

Please contact Steve NESTA X6386 with questions or concerns.

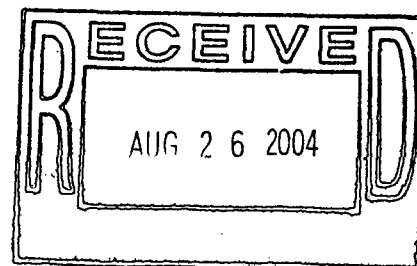
*Frank E. Gibbs*

Frank E. Gibbs  
Deputy Project Manager  
Remediation, Industrial D&D, and Site Services

Attachment:  
As Stated

Org. and 1 cc - Gary Morgan

cc:  
Joe Legare



ADMIN RECORD

Kaiser-Hill Company, L L C  
Rocky Flats Environmental Technology Site, 10808 Hwy. 93 Unit B, Golden, CO 80403-8200 • 303-966-7000

1A-A-002269

David Kruchek  
Colorado Department of Health and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530

**RSOP FOR FACILITY DISPOSITION NOTIFICATION LETTER FOR BUILDING 964**

Mr. Kruchek:

In accordance with the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Disposition, this letter and its attachments is notification for RSOP implementation. This notification is for all activities required to demolish and disposition Building 964.

The Reconnaissance Level Characterization Report (RLCR) has been prepared to Pre-Demolition Survey Report (PDSR) criteria, and will be the only characterization report prepared for Building 964. The RLCR/PDSR is being submitted concurrently with this notification. The building has been determined to be a Type 2 facility due to radiological contamination.

This work will be conducted by Kaiser-Hill Company, L.L.C (K-H). The requirements, methods, controls, and processes outlined in the RSOP will be followed. This work will be conducted in accordance with the work control documentation prepared by K-H and its subcontractor. The exact methods and process and progress of the activities will be communicated to DOE/LRA through the consultative process

As indicated in the RSOP, the LRA has 14 days to review the RSOP notification letter and provide feedback, including a definitive reason for not proceeding with the project. If no feedback is received within 14 days, the project will proceed as planned.

If you have any questions regarding this, please contact me at (303) 966-2133.

Gary Morgan  
U.S. Department of Energy

## DESCRIPTION OF PLANNED ACTIVITIES

### Facility Description and Scope of Demolition

Building 964 is a 5000 sq. ft. building most recently used as RCRA Unit 24. Building 964 was originally constructed in the mid 1960s and was used for general storage by a variety of site construction contractors. In 1986 the structure was modified for use as RCRA permitted Unit 24. These modifications include the installation of a spill containment system and the application of an epoxy concrete sealant. Ramps were installed to allow movement of containers in and out of the secondary containment system. Building 964 is a non-insulated corrugated metal structure mounted to a wooden frame. The structure has an asphalt shingle roof and is built on a concrete slab poured on grade. Building 964 was serviced by the following utilities: Wall-mounted fire extinguishers provide fire protection.

Demolition of the structure will be executed in two phases. In Phase 1, the contaminated portions of the building will be removed and managed as LLW. The floor of the facility will be cut into pieces with the perimeter cut as close to the interior wall as possible. Cutting will be done with a concrete saw with water to keep the surface wet and a wet vacuum cleaner will be used to pick up the water as the saw cuts the floor. The water will be combined in a poly holding tank with the RCRA-wash water (from the closure of Unit 24), sampled, and disposed appropriately. The slabs will be put in appropriate LLW-compatible containers. The contaminated portions of the exterior siding and plywood shell will also be removed and put into LLW-compatible containers.

In Phase 2 the building shell will be demolished and managed as non-routine sanitary waste (NRSW). Demolition will be accomplished by use of heavy equipment, and the debris will be loaded into end-dumps for transfer to the NRSW facility.

### Reconnaissance Level Characterization Report (RLCR)

During preparation of the RLCR, surveys identified plutonium (Pu) contamination on and beneath the floor coating, and on the west and south exterior panels. After removal of the west panels, contamination was also found on the underlying plywood panels. The Pu contaminated exterior panels on the west have been removed under implementation of the Facility Component Removal, Size Reduction, and Decontamination Activities RSOP. The slab, plywood, and south exterior panels will be removed and managed as LLW as part of building demolition.

The RLCR has been prepared to Pre-Demolition Survey Report (PDSR) criteria and is the only characterization document being submitted for B964. The RLCR/PDSR identifies areas where contamination existed, verifies the effectiveness of the decontamination/removal process, and establishes the building as being ready for demolition. The RLCR/PDSR is being submitted concurrently with this RSOP notification.

### Project-specific Administrative Record File Index

Attached

Deviations or Exceptions to the to the RSOP

None

Level One Schedule for Project Implementation

Attached

Point of Contact

The principle point of contact for this project is Karen Wiemelt, (303) 966-9833.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
CERCLA ADMINISTRATIVE RECORD - GENERAL QUERYPage: 1 of 6  
Report Date: 17-AUG-04

There are 22 records in this set and a total of 104 pages.

<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>BZ</u> <u>A</u> <u>000486</u> 04/03/1995 5 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> CONYERS, JEFF	National Environmental Policy Act (NEPA) and National Pollution Discharge Elimination System (NPDES), Federal Facilities Compliance Agreement (FFCA) Environmental Checklist for the demolition of Building 964 located east of the Solar Ponds.
<u>I101</u> <u>A</u> <u>000017</u> 03/09/1995 4 Pages PUBLIC	YES, ROUTINE 95-RF-002382; SRK-035-95 <u>Author(s)</u> KEITH, S. R.	<u>Recipient(s)</u> WU, B.	Informal review on Class I Modification for Building 964, Resource Conservation and Recovery Act (RCRA) Unit 24; draft letter attached. Per US Department of Energy, Rocky Flats Field Office (DOE/RFFO) request, EG&G Rocky Flats, Inc. has analyzed the changes needed to use the Site's Part B Permit Closure Plan for B964, RCRA Unit 24. The use of the Plan appears to present no risk to successfully completing the Operable Unit OU04 closure.
<u>IA</u> <u>A</u> <u>000494</u> 09/17/1997 1 Pages PUBLIC	YES, ROUTINE GRK-236-97 <u>Author(s)</u> CATHEL, ROBERT	<u>Recipient(s)</u> KONWINSKI, GARY R.	Action to Kaiser-Hill Assessment: Provides eight items of concern in the solar pond area, Resource Conservation and Recovery Act (RCRA) Unit 21, Building 964 and the surrounding area including a lay-down area formerly managed by J. A. Jones.
<u>IA</u> <u>A</u> <u>000688</u> 03/26/1996 3 Pages PUBLIC	YES, ROUTINE JEL-048-96 <u>Author(s)</u> LAW, JOHN E.	<u>Recipient(s)</u> PIERSON, D. R.	Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards the Drain Identification Study Inspection of the Building 964 Drain System. This study is the review foundation footing drains where hazardous material could be introduced into the sanitary sewer system.
<u>IA</u> <u>A</u> <u>000740</u> 09/22/1994 8 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> AUSTIN, M. R. KRAMER, TIM	<u>Recipient(s)</u> DISTRIBUTION	EG&G Rocky Flats, Inc. submits the Scope of Work for Building 964 dated October 10, 1994. This provides a document for the removal of B964. The building is to be removed down to the concrete foundation, assuming it will be disposed of as scrap metal or waste to the landfill.

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA A 000741</u> 10/11/1994 9 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> KRAMER, TIM	<u>Recipient(s)</u> AUSTIN, M. R.	Provides a GES package for the removal of Building 964, as provided in the attached Engineering Work Plan (WP) dated June 16, 1994. The Building is to be removed down to the concrete foundation and under the assumption that it will be disposed of as scrap material or waste to the landfill.
<u>IA A 000742</u> 12/01/1994 21 Pages PUBLIC	YES, ROUTINE 989884 <u>Author(s)</u> AUSTIN, M. R.	<u>Recipient(s)</u> DISTRIBUTION	Provides a GES package for the removal of Building 964, as provided in the attached Engineering Work Plan (WP) dated October 11, 1994.
<u>IA A 000743</u> 10/27/1994 21 Pages PUBLIC	YES, ROUTINE 989884 <u>Author(s)</u> AUSTIN, M. R.	<u>Recipient(s)</u> DISTRIBUTION	Provides a GES package for the removal of Building 964, as provided in the attached Engineering Work Plan (WP) dated October 11, 1994.
<u>IA A 000791</u> 07/18/1995 7 Pages PUBLIC	YES, ROUTINE 95-RM-TA-0001-KH; 95-RM-TA-0001-JLM <u>Author(s)</u> MCANALLY, JAMES L.	<u>Recipient(s)</u> CARD, ROBERT G.	Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes a status report of projects with the distribution list which Technical Assurance is currently reviewing for National Environmental Policy Act (NEPA) determination.
<u>IA A 002071</u> 04/15/2004 17 Pages PUBLIC	YES, ROUTINE 04-RF-00415; FEG-013-04 <u>Author(s)</u> GIBBS, FRANK E.	<u>Recipient(s)</u> MORGAN, GARY	Submits a draft transmittal letter to the Colorado Department of Public Health and Environment (CDPHE) for the RSOP Notification for Component Removal, Size Reduction and Decontamination. Also enclosed is the Closure Description Document (CDD) for closing RCRA Unit 24.

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Doc. No. / Date	Routine	Internal Code	Title / Subject
<u>IA A 002148</u> 05/17/2004 1 Pages PUBLIC	<u>Author(s)</u> GUNDERSON, STEVE	<u>Recipient(s)</u> LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division has received the April 21, 2004 letter notifying them of the Site's intent to utilize the Facility Component Removal, Size Reduction, and Decontamination Activities RSOP and closure of RCRA Unit 24 associated with Building 964. CDPHE is hereby concurring that this activity may proceed utilizing the Component RSOP, and as described in the Closure Description Document (CDD) provided.
<u>IA A 002172</u> 06/09/2004 2 Pages PUBLIC	<u>Author(s)</u> GIBBS, FRANK E.	<u>Recipient(s)</u> LEGARE, JOSEPH A.	Forwards: The six point analyses planning requirements for removing portions of the Building 964 Shell. The six point analyses specified in Section 3.8.1 of the Rocky Flats Cleanup Agreement (RFCA) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP), for Facility Component Removal, Size Reduction, and Decontamination Activities has been prepared at the request of the Colorado Department of Public Health and Environment (CDPHE).
<u>IA A 002194</u> 06/28/2004 1 Pages PUBLIC	<u>Author(s)</u> GUNDERSON, STEVE	<u>Recipient(s)</u> LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division has received the June 23, 2004 letter with the Six Point Analysis of Building 964 as specified in Section 3.8.1 of the Facility Component Removal, Size Reduction, and Decontamination Activities RSOP. The Division hereby concurs that 964 is a Type 2 Facility and that it is not necessary to provide a formal RLCR for this building.
<u>IA A 002222</u> 07/19/2004 1 Pages PUBLIC	<u>Author(s)</u> LEGARE, JOSEPH A.	<u>Recipient(s)</u> GUNDERSON, STEVE	In accordance with the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Component Removal, Size Reduction and Decontamination Activities, this letter and its enclosure [See IA-A-002172, June 9, 2004] are notification of RSOP implementation. Building 964 was to be a Type 1 facility only requiring a Reconnaissance Level

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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA</u> <u>A</u> <u>002231</u> 07/27/2004 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> MARSCHALL, J. R.	N/A <u>Recipient(s)</u> KRUCHEK, DAVID	In agreement with Colorado Department of Public Health and Environment (CDPHE) the following tasks for Demolition Procedure for Building 964 will be followed in the order as written for demolition of Building 964.
<u>IA</u> <u>A</u> <u>002233</u> 07/27/2004 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00320-RF-04 <u>Recipient(s)</u> LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Materials and Waste Management Division has received US Department of Energy (DOE) July 19, 2004 Component Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Notification letter including the Six Point Analysis of Building 964 as specified in Section 3.8.1 of the Component RSOP. However, as requested in DOE on July 19, 2004 letter, CDPHE again agree and concur that, based on the 6 point analysis and other information previously provided, decontamination activities and removal of the contaminated Section of the roof and walls may performed utilizing the Component RSOP.
<u>IA</u> <u>A</u> <u>INFO</u> 01/01/1992 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	PAC 900-176; SW-A-000189 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: S&W Contractor Storage Facility. The two significant areas which cause Potential Areas of Concern (PACs), is the wind-blown radioactive nitrate spray from the adjacent solar ponds. The second PACs is the hazardous nature of some of the contractor material stored in the yard. Most of the structures and equipment stored in the yard were affected by spray from the ponds. High winds have blown low-level contamination and salts out of the ponds onto equipment stored on the Swinerton and Walberg (S&W) Contractor Storage Facility area. No significant alpha had been found. The primary use of the yard has been the storage of contractor materials used for various projects at the RFP. The majority of the yard has



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<u>Doc. No. / Date</u>	<u>Routine</u>	<u>Internal Code</u>	<u>Title / Subject</u>
<u>IA</u> <u>A</u> <u>INFO</u> 01/01/1995 0 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	CPI 94-013; SW-A-001548 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Tenth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), September 30, 1994 through December 31, 1994: Id. 900-1315, Tanker Truck Release on East Patrol Road, North of Spruce Avenue. During transport operations of Solar Evaporation Pond (SEP) decant wastewater, approximately ten gallons of hazardous waste was released to the environment. A tanker truck was transporting the decant water from the 750 Storage Pad (RCRA Unit 25) where SEP slugs are separated through a settling process to Building 374 feed storage tanks (Tank 231 A and B) for subsequent treatment at Building 374. The truck driver immediately stopped when he noticed that liquid was splashing from the vent/blowdown valve which was inadvertently left open during the filling process. It was estimated that ten gallons of hazardous waste was released to the asphalt and soil. The released liquid contacted two sections of asphalt road surface and one section of soil. The release to asphalt was north of Spruce Avenue on the East Patrol Road. Soil was contaminated in an area just northeast of B964. Soil samples were collected on December 13, 1994.
<u>IA</u> <u>A</u> <u>INFO</u> 04/01/1995 0 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	CPI 94-013; SW-A-001560; 95-RF-03617 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Eleventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1995 through March 31, 1995: Id. 900-1315, Tanker Truck Release on East Patrol Road, North of Spruce Avenue. During transport operations of Solar Evaporation Pond (SEP) decant wastewater, approximately ten gallons of hazardous waste was released to the environment. A tanker truck was transporting the decant water from the 750 Storage Pad (RCRA Unit 25) where SEP slugs are separated through a settling process to Building 374 feed storage tanks (Tank 231 A and B) for subsequent treatment at Building 374. The

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<u>IA</u> <u>A</u> <u>INFO</u> 04/01/1995 0 Pages PRELIM	YES, ROUTINE <u>Author(s)</u> ENVIRONMENTAL RESTOR	CPI 95-001; SW-A-001560; 95-RF-03617 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Eleventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1995 through March 31, 1995: Id. 900-1317, Soil Release Wooden Crate in 964 Laydown Yard, Individual Hazardous Substance Site IHSS 176. Carpenters were attempting to reattach a lid from a wooden half crate located south of Building 964 and within IHSS 900-176. The lid was believed to have blown off the previous day during a period of high winds. While working on the crate, one of the structural sides fell apart inadvertently exposing the plastic liner and releasing on pound of coarse gravel and residual soil material to the ground. The only information available regarding the origin of the contents, were the words "oil and soil" handwritten on the plastic liner. The half crate associated with this release and another half crate staged adjacent to it were apparently placed within a Radiological Control Area (RCA) due to the unknown nature if the contents as part of an Accelerated Cleanup Project. There were no identifying markings on either crate except for the dates of manufacture of 1989 and 1990.
<u>IA</u> <u>A</u> <u>INFO</u> 02/04/2002 0 Pages PRELIM	N/A <u>Author(s)</u> DELLAGUARDIA, GARY	<u>Recipient(s)</u> NOTE TO FILE	Note to File: Property Id. 964 - Waste Drum Storage RCRA Unit 24 Low Level Hazardous MS/RISS D&D 964, RISS Area: 2; Group-N/A, Cluster: N/A Facility Grouping No.: FGN-17, Facility Area: 1-3-5-9, Facility Type N/A
<u>IA</u> <u>A</u> <u>INFO</u> 04/01/2003 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	IA-A-001533 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Building 705, April 23, 2003; Historical Site Assessment (HSA) Report, April 2003 - Building 964 was originally constructed in the mid 1960s and was used for general storage by a variety of sit construction contractors. In 1986, the structure was modified for use as

10/10

Activity ID	Activity Description	% Comp	Orig Dur	Rem Dur	Current Early Start	Current Early Finish	Total Float	SCH1	SCH2	SCH3	Cal ID	BLDG	FY04																	
													JUN			JUL				AUG				SEP						
													31	7	14	21	28	5	12	19	26	2	9	16	23	30	6	13	20	27
Demolition Crew																														
964 - RCRA Unit 24 LL Haz Waste Storage																														
Demolition																														
1EFDPAD126	B964 Characterization / PDSR	75	4	3	01JUL04A	19AUG04	4	A1	DEMO		3	B964																		
1EFDPAD136	B964 RCRA Closure	75	4	0	09AUG04A	19AUG04	386	A1	DEMO		3	B964																		
1EFDPAD196	B964 RSOP Notification for Facility Disposition	0	4	4	17AUG04	23AUG04	3	A1	DEMO		3	B964																		
1EFDPAD236	B964 Develop Demo Work Package	0	4	4	17AUG04	23AUG04	385	A1	DEMO		3	B964																		
1EFDPAD226	B964 CDPHE Approval	0	5	5	24AUG04	31AUG04	370	A1	DEMO		3	B964																		
1EFDPAD165	B964 RTW Demolition / Loadout	0	0	0	30AUG04*		0	A1	DEMO		3	B964																		
1EFDPAD146	B964 Remove Floor & Loadout	0	4	4	01SEP04	08SEP04	370	A1	DEMO		3	B964																		
1EFDPAD246	B964 Remove South Wall Panels	0	2	2	09SEP04	13SEP04	370	A1	DEMO		3	B964																		
1EFDPAD166	B964 Demo & Load Out	0	4	4	14SEP04	20SEP04	370	A1	DEMO		3	B964																		

